

What is claimed is:

9. A data processor as in claim 1, wherein said data processor forms a part of a

Parameter	Unit	Value	Standard Error	95% CI	P-value
Intercept		1.00	0.00	1.00	0.00
Age	Year	0.02	0.01	-0.01, 0.05	0.15
Sex					
Male		0.05	0.03	-0.01, 0.11	0.08
Female		-0.02	0.03	-0.08, 0.04	0.45
Education	Year	0.01	0.01	-0.01, 0.03	0.25
Income	Year	0.01	0.01	-0.01, 0.03	0.25
Health status					
Good		0.05	0.03	-0.01, 0.11	0.08
Poor		-0.02	0.03	-0.08, 0.04	0.45
Smoking status					
Smoker		0.05	0.03	-0.01, 0.11	0.08
Nonsmoker		-0.02	0.03	-0.08, 0.04	0.45
Alcohol consumption					
Drinker		0.05	0.03	-0.01, 0.11	0.08
Nondrinker		-0.02	0.03	-0.08, 0.04	0.45
Physical activity					
Active		0.05	0.03	-0.01, 0.11	0.08
Inactive		-0.02	0.03	-0.08, 0.04	0.45
Family size					
Large		0.05	0.03	-0.01, 0.11	0.08
Small		-0.02	0.03	-0.08, 0.04	0.45
Marital status					
Married		0.05	0.03	-0.01, 0.11	0.08
Single		-0.02	0.03	-0.08, 0.04	0.45
Religious affiliation					
Christian		0.05	0.03	-0.01, 0.11	0.08
Muslim		-0.02	0.03	-0.08, 0.04	0.45
Other		0.05	0.03	-0.01, 0.11	0.08

103

[illegible]

providing said multiplier block with a plurality of arithmetic logic units (ALUs);
wherein

in a second mode of operation. said inputs of said plurality of ALUs are switchably coupled to second data sources for performing at least one of arithmetic and logical operations on data received from said second data sources.

12. A method as in claim 10, wherein said partial products have a width of 8-bits and where a width of said ALUs is one of 8-bits or 4-bits.

14. A method as in claim 10, wherein said partial products have a width of 32-bits and where a width of said ALUs is one of 32-bits, 16-bits, 8-bits or 4-bits.

15. A method as in claim 10, wherein said partial products have a width of n-bits, where a width of said ALUs is less than n-bits, and further comprising a step of switchably coupling together at least some of said plurality of ALUs to provide an n-bit wide ALU.

23. A DSP as in claim 21, wherein said plurality of ALUs comprise the same or additional ALUs that are coupled to inputs of said multiplier front end for changing a sign of said input operands.

24. A DSP as in claim 21, and further comprising reconfigurable signal routing logic for providing data paths to and from said plurality of ALUs.

Variable	Mean	SD	Min	Max	Median	Q1	Q3	Mode	Skewness	Kurtosis	Shapiro-Wilk	Normality
Age	35.2	12.5	18	65	32	28	38	35	0.15	2.1	0.98	Normal
Gender	1.2	0.4	1	2	1	1	2	1	0.05	0.5	0.95	Normal
Education	12.5	2.1	9	16	12	11	13	12	0.12	1.8	0.97	Normal
Income	1500	500	500	3000	1200	800	1800	1000	0.25	3.2	0.92	Normal
Marital Status	1.5	0.5	1	2	1	1	2	1	0.08	0.6	0.96	Normal
Occupation	2.5	1.2	1	4	2	1	3	2	0.18	2.5	0.97	Normal
Health Status	1.8	0.6	1	2	1	1	2	1	0.03	0.4	0.99	Normal
Stress Level	3.2	1.5	1	5	3	2	4	3	0.10	2.0	0.98	Normal
Life Satisfaction	4.5	1.0	3	5	4	4	5	4	0.02	0.3	0.99	Normal
Resilience	2.8	1.2	1	4	3	2	4	3	0.15	2.2	0.97	Normal
Optimism	3.8	1.1	2	5	4	3	5	4	0.05	0.7	0.98	Normal
Emotional Stability	2.2	0.8	1	3	2	1	3	2	0.12	1.9	0.97	Normal
Self-Esteem	3.5	1.0	2	4	3	3	4	3	0.08	0.9	0.98	Normal
Life Purpose	4.2	1.1	3	5	4	4	5	4	0.03	0.4	0.99	Normal
Meaning in Life	4.0	1.0	3	5	4	4	5	4	0.02	0.3	0.99	Normal
Existential Well-being	3.0	1.2	1	4	3	2	4	3	0.15	2.2	0.97	Normal
Transcendental Experience	2.5	1.0	1	4	3	2	4	3	0.12	1.9	0.97	Normal
Peak Experiences	3.0	1.1	1	4	3	2	4	3	0.10	2.0	0.98	Normal
Flow States	2.8	1.0	1	4	3	2	4	3	0.12	1.9	0.97	Normal
Self-Actualization	3.5	1.2	1	4	3	2	4	3	0.15	2.2	0.97	Normal
Personal Growth	3.2	1.1	1	4	3	2	4	3	0.10	2.0	0.98	Normal
Life Satisfaction (Revised)	4.5	1.0	3	5	4	4	5	4	0.02	0.3	0.99	Normal
Meaning in Life (Revised)	4.0	1.0	3	5	4	4	5	4	0.02	0.3	0.99	Normal
Existential Well-being (Revised)	3.0	1.2	1	4	3	2	4	3	0.15	2.2	0.97	Normal
Transcendental Experience (Revised)	2.5	1.0	1	4	3	2	4	3	0.12	1.9	0.97	Normal
Peak Experiences (Revised)	3.0	1.1	1	4	3	2	4	3	0.10	2.0	0.98	Normal
Flow States (Revised)	2.8	1.0	1	4	3	2	4	3	0.12	1.9	0.97	Normal
Self-Actualization (Revised)	3.5	1.2	1	4	3	2	4	3	0.15	2.2	0.97	Normal
Personal Growth (Revised)	3.2	1.1	1	4	3	2	4	3	0.10	2.0	0.98	Normal